Driver Thermal Vision System

Peripheral Thermal Imaging System

Missions

- Peripheral Thermal Imaging System Ideal for military and para - military light and armored vehicles
- Operable by vehicle driver and/or commander

Main Features

- Unparalleled Image Quality:
  - Advanced, uncooled micro-bolometric sensor
  - Superb image quality under extreme terrain, weather and visibility conditions
  - Allows continuous independent driving and superior situational awareness
  - Tested and approved by numerous customers world - wide
- Modular and Adjustable:
  - Stand - alone system with minimal integration required
  - Modular system set - up per customer specifications

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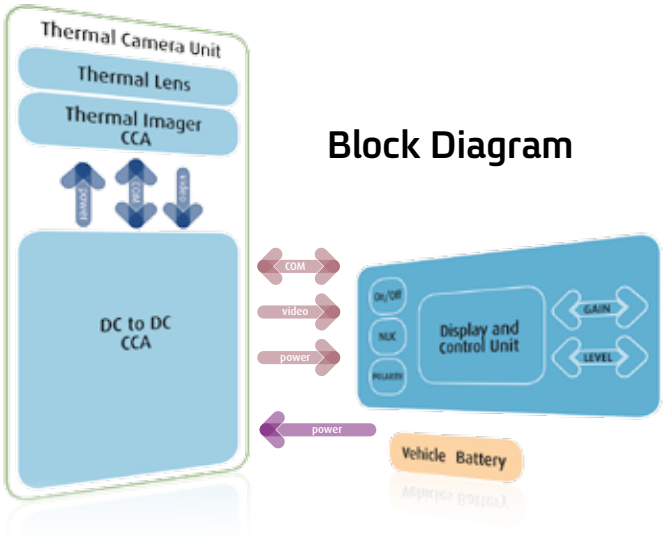
- Can be installed on a fixed surface or on a pan - and - tilt unit
- Dependable and Cost - Effective:
  - Rugged design is impermeable to water, sand and dust
  - Easy to mount and disassemble
  - Operated by vehicle power and filtered as per MIL - STD 1275
  - Complies with MIL - STD 810E and JSS55555 standards

System Components

- Thermal Imager
- Pan - and - Tilt Unit
- Display Screen



Block Diagram

Technical Specifications

Thermal Imager:

- Type: Uncooled micro - bolometric detector
- Spectral Range: 8 - 14 µm
- Number of Pixels: 640 x 480
- Pixel Size: 17/25 µm
- FOV: 65 x 48° / 90 x 48° / 110 x 48°
- Focus Range: 2m to infinity
- Interfaces:
  - Power: <12W (24V@0.5A)
  - Video: CCIR Analog Video

Pan - and- Tilt Unit:

- Speed:
  - Azimuth: up to 24°/sec
  - Elevation: up to 6°/sec
- Angular Tilt: ±170°
- Interfaces:
  - Power: <12W(12v@1A)

Display Screen:

- Display Size: 8",6.5",10"
- Display Resolution: 800 x 600 pixels
- Interfaces:
  - Power: <17W (24V@0.7A)
  - Video: CCIR Analog Video

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